

Title (en)

Illumination device for a light scanning microscope with linear scanning and its use

Title (de)

Beleuchtungsanordnung für ein Lichtstrahlmikroskop mit linienförmiger Abtastung und ihre Verwendung

Title (fr)

Dispositif d'éclairage pour un microscope à balayage avec balayage linéaire et son utilisation

Publication

**EP 1672404 A1 20060621 (DE)**

Application

**EP 04023501 A 20041001**

Priority

DE 102004034966 A 20040716

Abstract (en)

The beam converter receives a Gaussian source beam from a light source. The converter has several aspherical convex or concave mirrors (1) which are sharply curved at the beam incidence region compared to the other regions remote from the incidence region. Independent claims are also included for the following: (1) usage method of illumination device; (2) device arrangement method; and (3) method for examining intercellular transport process.

IPC 8 full level

**G02B 21/00** (2006.01); **G02B 5/08** (2006.01); **G02B 21/06** (2006.01); **G02B 27/09** (2006.01)

CPC (source: EP US)

**G02B 21/002** (2013.01 - EP US); **G02B 27/0983** (2013.01 - EP US)

Citation (search report)

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Citation (examination)

- NEMOTO K. ET AL.: "Transformation of a laser beam ...", OPTICS LETTERS, vol. 21, no. 3, 1 February 1996 (1996-02-01), pages 168 - 170, XP000629018
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**GB 0511515 D0 20050713**; **GB 2416217 A 20060118**; DE 102004034966 A1 20060202; EP 1672404 A1 20060621; US 2006012891 A1 20060119

DOCDB simple family (application)

**GB 0511515 A 20050607**; DE 102004034966 A 20040716; EP 04023501 A 20041001; US 96730704 A 20041019